CLAIMS

What is claimed is:

1   1.   A robot system, comprising:

2   a robot that has a camera that captures a video image;

3   a remote station that has a monitor that displays the

4 video image, and an input system that allows a consultant

5 to generate consultant information and robot movement

6 commands that are transmitted to said robot.

1   2.   The system of claim 1, wherein said consultant

2 information includes instructions to a person that is

3 displayed in the video image.

1   3.   The system of claim 1, wherein said robot includes

2 a speaker that regenerates said consultant information.

1   4.   The system of claim 1, wherein said robot has a

2 microphone, and said remote station includes a speaker that

3 receives a sound from said microphone.

1   5.   The system of claim 1, wherein said robot includes

2   a monitor and a speaker, and said remote station includes a

3   camera and a microphone.

1   6.   The system of claim 1, wherein said robot includes

2   a mobile platform that provides three degrees of freedom.

1   7.   The system of claim 1, further comprising a base

2   station wirelessly coupled to said robot.

1   8.   A robot system, comprising:

2   a robot that has a camera that captures a video image;

3   remote station means for displaying the video image and

4   for allowing a consultant to generate consultant

5   information and robot movement commands that are

6   transmitted to said robot.

1   9.   The system of claim 8, wherein said consultant

2   information includes instructions to a person that is

3   displayed in the video image.

1   10. The system of claim 8, wherein said robot includes

2   a speaker that regenerates said consultant information.

1   11. The system of claim 8, wherein said robot has a

2 microphone, and said remote station means includes a

3 speaker that receives a sound from said microphone.

1   12. The system of claim 8, wherein said robot includes

2 a monitor and a speaker, and said remote station includes a

3 camera and a microphone.

1   13. The system of claim 8, wherein said robot includes

2 a mobile platform that provides three degrees of freedom.

1   14. The system of claim 8, further comprising a base

2 station wirelessly coupled to said robot.

1   15. A robot system, comprising:

2   a broadband network;

3   a robot that is coupled to said broadband network and

4 has a camera that captures a video image;

5   a remote station that is coupled to said broadband

6 network, said remote station has a monitor that displays

7 the video image, and an input system that allows a

8   consultant to generate consultant information and robot

9   movement commands that is transmitted to said robot.

1   16. The system of claim 15, wherein said consultant

2   information includes instructions to a person that is

3   displayed in the video image.

1   17. The system of claim 15, wherein said robot

2   includes a speaker that regenerates said consultant

3   information.

1   18. The system of claim 15, wherein said robot has a

2   microphone, and said remote station includes a speaker that

3   receives a sound from said microphone.

1   19. The system of claim 15, wherein said robot

2   includes a monitor and a speaker, and said remote station

3   includes a camera and a microphone.

1   20. The system of claim 15, wherein said robot

2   includes a mobile platform that provides three degrees of

3   freedom.

1   21. The system of claim 15, further comprising a base

2   station coupled to said broadband network and wirelessly

3   coupled to said robot.

1   22. A robot system, comprising:

2   a broadband network;

3   a robot that is coupled to said broadband network and

4   has a camera that captures a video image;

5   remote station means for displaying the video image and

6   for allowing a consultant to generate consultant

7   information and robot movement commands that are

8   transmitted to said robot through said broadband network.

1   23. The system of claim 22, wherein said consultant

2   information includes instructions to a person that is

3   displayed in the video image.

1   24. The system of claim 22, wherein said robot

2   includes a speaker that regenerates said consultant

3   information.

1   25. The system of claim 22, wherein said robot has a

2   microphone, and said remote station means includes a

3   speaker that receives a sound from said microphone.

1   26. The system of claim 22, wherein said robot

2   includes a monitor and a speaker, and said remote station

3   includes a camera and a microphone.

1   27. The system of claim 22, wherein said robot

2   includes a platform that provides three degrees of freedom.

1   28. The system of claim 22, further comprising a base

2   station that is coupled to said broadband network and

3   wirelessly coupled to said robot.

1   29. A method for providing consulting services through

2   a remote robot, comprising:

3   viewing at a remote station a video image of a person

4   located in view of a robot;

5   generating consultant information;

6   transmitting the consultant information to the robot;

7   conveying the consultant information through the robot;

8   generating a robot movement command at the remote

9   station;

10   transmitting the robot movement command to the robot;

11   and,

12   moving the robot in response to the robot movement

13   command.

1   30. The method of claim 29, wherein the consultant

2   information includes instructions.

1   31. The method of claim 29, wherein the consultant

2   information is conveyed by regenerating the consultant

3   information through a speaker of the robot.

1   32. The method of claim 29, wherein the robot is moved

2   about a residential care facility.